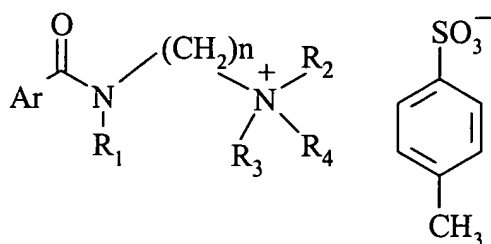


What is claimed is

1. A process for preparing cinnamidoalkylamine and / or benzamidoalkylamine quaternary compounds of Formula I, wherein;



Formula I

ArCO is selected from *p*-*N,N*-dimethylamino benzoyl or *p*-methoxy cinnamoyl;

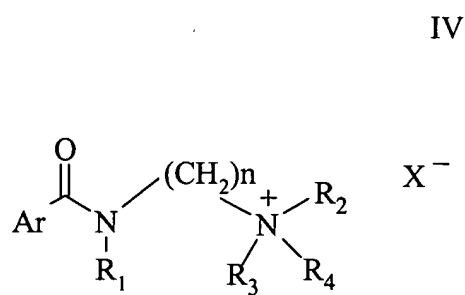
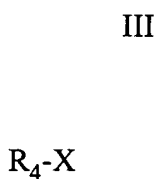
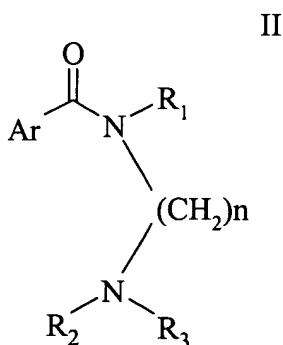
R₁ is selected from H or alkyl groups containing from 1 to 6 carbon atoms;

R₂ and R₃ are independently selected from alkyl groups containing from 1 to 12 carbon atoms;

R₄ is selected from alkyl or alkenyl groups containing from 8 to 22 carbons; and

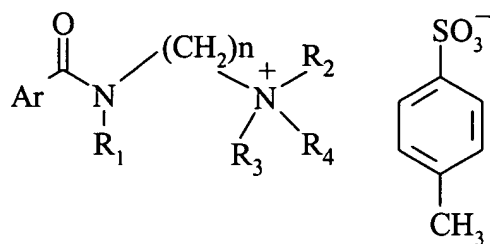
n is an integer having values from 1 to 6, the process comprising steps of

- (i) quaternisation of 1.0 mole of cinnamidoalkylamine and / or benzamidoalkylamine of Formula II with 1.0 mole of alkylating compound of Formula III, wherein, R₁, R₂, R₃, R₄ and n is same as that in the compound of said Formula I and X⁻ is tosylate anion, with or without solvent, to obtain a quaternary ammonium halide of Formula IV;



(ii) treating the aqueous solution of quaternary halide of Formula IV obtained in step (i) with stoichiometric quantities of sodium *p*-toluene sulphonate to get water insoluble quaternary ammonium tosylate of Formula I.

2. A quaternary ammonium salt of cinnnamidoalkyl amine of Formula I,



Formula I

where

ArCO is *p*-methoxy cinnamoyl;

R₁ is hydrogen;

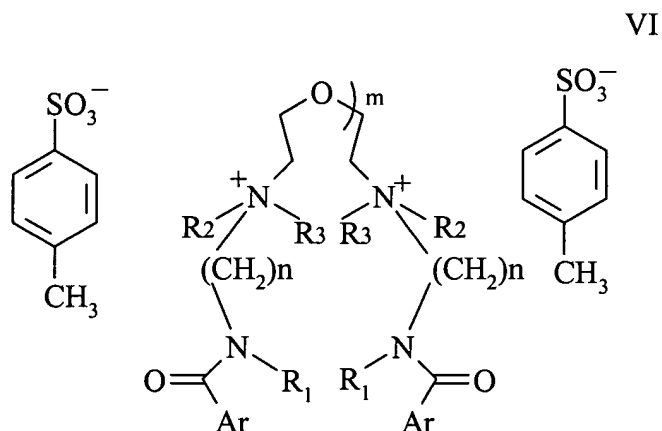
R₂ and R₃ are independently selected from alkyl groups containing from 1 to 12 carbon atoms;

R₄ is selected from alkyl or alkenyl groups containing from 8 to 22 carbons; and

n is an integer having values from 1 to 6.

3. A process according to claim 1 wherein the compound of Formula I is a quaternary ammonium salt of cinnnamidoalkyl amine of Formula I where ArCO is *p*-methoxy cinnamoyl; R₁ is hydrogen; R₂ and R₃ are independently selected from alkyl groups containing from 1 to 12 carbon atoms; R₄ is selected from alkyl or alkenyl groups containing from 8 to 22 carbons; and n is an integer having values from 1 to 6.

4. A process according to claim 1, wherein when ArCO is *p*-methoxy cinnamoyl, R₁ is H, R₂ and R₃ is -CH₃, R₄ is -C₁₂H₂₅ and n is 3.
5. A process according to claim 1, wherein when ArCO is *p*-*N,N*-dimethyl amino benzoyl, R₁ is H, R₂ and R₃ is -CH₃, R₄ is -C₁₂H₂₅ and n is 3.
6. A process for preparing quaternary ammonium tosylates of Formula VI,



where; ArCO is selected from *p*-*N,N*-dimethylamino benzoyl and / or *p*-methoxy cinnamoyl;

R₁ is selected from H or alkyl groups containing from 1 to 6 carbon atoms;

R₂ and R₃ are independently selected from alkyl groups containing from 1 to 12 carbon atoms;

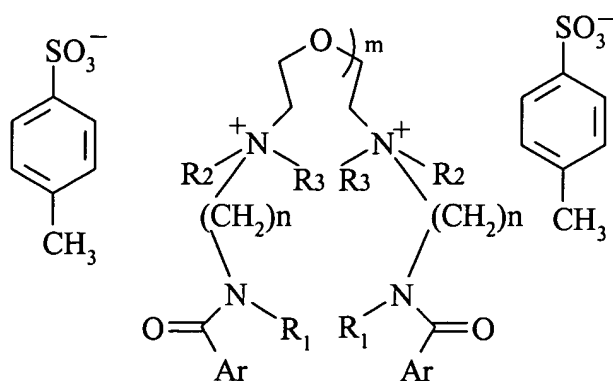
n is an integer having values from 1 to 6; and

m is an integer having values from 1 to 10;

comprising reacting a compound of Formula V with sodium *p*-toluene sulphonate, the respective substituents ArCO, R₁, R₂, R₃, n and m of Formula V, being as defined for the compounds of Formula VI in this claim.

7. A water insoluble quaternary ammonium bis tosylates of Formula VI;

VI



wherein; ArCO is selected from *p*-*N,N*-dimethylamino benzoyl and / or *p*-methoxy cinnamoyl;

R_1 is selected from H or alkyl groups containing from 1 to 6 carbon atoms,

R_2 and R_3 are independently selected from alkyl groups containing from 1 to 12 carbon atoms;

n is an integer having values from 1 to 6; and

m is an integer having values from 1 to 10.